

AMENDMENTS TO THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as shown below.

This listing of claims replaces all previous versions and listings of claims in the present patent application.

Listing of Claims

1. (Currently Amended) A program execution apparatus that executes a program, said program execution apparatus comprising:

a first program selector operable to select, as a program to be executed, a program which is downloaded to a storage and executed;

a program monitor operable to monitor an operational state of a currently executed program;

a second program selector operable to select, as a program to be executed, a program that is of the same type as the currently executed program, in the case where abnormal termination of the currently executed program is detected by said program monitor;

a processor operable to execute the program selected by said first program selector and, in the case where abnormal termination of the currently executed program is detected by said program monitor, to execute the program selected by said second program selector;

a cause obtainier operable to obtain a cause of the abnormal termination of the program detected by said program monitor; and

a countermeasure executioner operable to execute a countermeasure based on the cause of the abnormal termination,

wherein said processor is operable to execute the program selected by said second program selector, after the countermeasure is executed by said countermeasure executioner, and

wherein upon selection and execution of the program selected by said second program selector, the program that experienced abnormal termination is prevented from further execution.

2. (Previously Presented) The program execution apparatus according to Claim 1, wherein said second program selector is operable to select, as the program to be executed, a program which is different from the program selected by said first program selector.

3. (Previously Presented) The program execution apparatus according to Claim 1, wherein said second program selector is operable to select, as the program to be executed, a program which is the same as the program selected by said first program selector.

4. (Previously Presented) The program execution apparatus according to Claim 1, wherein said second program selector is operable to select, as the program to be executed:

a program which is the same as the program selected by said first program selector, in the case where a predetermined condition is not satisfied; and

a program which is different from the program selected by said first program selector, in the case where the predetermined condition is satisfied.

5. (Previously Presented) The program execution apparatus according to Claim 4, wherein said second program selector is operable to perform selection in the case where the predetermined condition is whether or not the number of abnormal terminations of the

program which said program monitor has detected as having abnormally terminated exceeds a predetermined number, and to determine that:

the predetermined condition is not satisfied in the case where the number of abnormal terminations of the program does not exceed the predetermined number; and

the predetermined condition is satisfied in the case where the number of abnormal terminations of the program exceeds the predetermined number.

6. (Previously Presented) The program execution apparatus according to Claim 4, wherein said second program selector is operable to perform selection in the case where the predetermined condition is whether or not the number of times a program to be selected has been selected exceeds a predetermined number, and to determine that:

the predetermined condition is not satisfied in the case where the number of times the program has been selected does not exceed the predetermined number; and

the predetermined condition has been satisfied in the case where the number of times the program is selected exceeds the predetermined number.

7. (Previously Presented) The program execution apparatus according to Claim 4, wherein said second program selector is operable to perform selection under an assumption that time information is the predetermined condition.

8. (Previously Presented) The program execution apparatus according to Claim 4, wherein said second program selector is operable to perform selection under an assumption that:

the predetermined condition is whether or not an instruction from a user is received;
the predetermined condition is not satisfied in the case where the instruction from the user is not received; and
the predetermined condition is satisfied in the case where the instruction from the user is received.

9. (Previously Presented) The program execution apparatus according to Claim 1, wherein said second program selector is operable to select, as the program to be executed, a program in a non-volatile memory.

10. (Previously Presented) The program execution apparatus according to Claim 1, wherein one of said first program selector and said second program selector is operable to select, as the program to be executed, a program that can be acquired via a network.

11. (Previously Presented) The program execution apparatus according to Claim 1, wherein one of said first program selector and said second program selector is operable to select, as the program to be executed, a program that is included in a broadcast wave.

12. (Cancelled)

13. (Previously Presented) The program execution apparatus according to Claim 1, wherein said program monitor is operable, upon detecting abnormal termination of the currently executed program, to present an occurrence of the abnormal termination to a user.

14. (Previously Presented) The program execution apparatus according to Claim 1, wherein said program monitor is operable to present the abnormal termination occurrence to a user, using an LED display.

15. (Previously Presented) The program execution apparatus according to Claim 1, wherein said program monitor is operable to present the abnormal termination occurrence to a user, using a display on a display screen.

16. (Currently Amended) A program execution apparatus that executes a program, said program execution apparatus comprising:

a first program selector operable to select, as a program to be executed, a program which is downloaded to a storage and executed;

a program monitor operable to monitor an operational state of a currently executed program;

a second program selector operable to select, based on an instruction from a user, a program that is of the same type as the currently executed program, as a program to be executed, in the case where abnormal termination of the currently executed program is detected by said program monitor; and

a processor operable to execute the program selected by said first program selector and, in the case where abnormal termination of the currently executed program is detected by said program monitor, to execute the program selected by said second program selector,

wherein upon selection and execution of the program selected by said second program selector, the program that experienced abnormal termination is prevented from further execution.

17. (Previously Presented) The program execution apparatus according to Claim 16, wherein said second program selector is operable to present selectable program candidates, and to select a program selected by the user, as the program to be executed.

18. (Previously Presented) The program execution apparatus according to Claim 17, wherein said second program selector is operable to present, as the selectable program candidates, at least a program in a non-volatile memory.

19. (Previously Presented) The program execution apparatus according to Claim 17, wherein said second program selector is operable to present, as the selectable program candidates, at least a program that can be acquired via a network.

20. (Previously Presented) The program execution apparatus according to Claim 17, wherein said second program selector is operable to present, as the selectable program candidates, at least a program that is included in a broadcast wave.

21. (Previously Presented) The program execution apparatus according to Claim 17, wherein said second program selector is operable to select a predetermined program, as the program, in the case where the user does not make a selection within a predetermined time.

22. (Currently Amended) A program execution apparatus that executes a program, said program execution apparatus comprising:

a first program selector operable to select, as a program to be executed, a program which is downloaded to a storage and executed;

a program monitor operable to monitor an operational state of a currently executed program;

a second program selector operable to select, as a program to be executed, a program that is of the same type as the currently executed program and which accepts a channel selection request from a user and performs an operation, in the case where abnormal termination of the currently executed program is detected by said program monitor; and

a processor operable to execute the program selected by said first program selector and, in the case where abnormal termination of the currently executed program is detected by said program monitor, to execute the program selected by said second program selector.

wherein upon selection and execution of the program selected by said second program selector, the program that experienced abnormal termination is prevented from further execution.

23. (Currently Amended) A program execution apparatus that executes a program, said program execution apparatus comprising:

a first program selector operable to select, as a program to be executed, a program which is downloaded to a storage and executed;

a program monitor operable to monitor an operational state of a currently executed program;

a second program selector operable to select, as a program to be executed, a program that is of the same type as the currently executed program and which displays an electronic program

guide, in the case where abnormal termination of the currently executed program is detected by said program monitor; and

a processor operable to execute the program selected by said first program selector and, in the case where abnormal termination of the currently executed program is detected by said program monitor, to execute the program selected by said second program selector,

wherein upon selection and execution of the program selected by said second program selector, the program that experienced abnormal termination is prevented from further execution.

24. (Previously Presented) The program execution apparatus according to Claim 1, wherein said program monitor is operable to store information regarding the program which said program monitor has detected as having abnormally terminated.

25. (Previously Presented) The program execution apparatus according to Claim 24, wherein said program monitor is operable to store the information in a removable recording medium.

26. (Previously Presented) The program execution apparatus according to Claim 24, wherein said program monitor is operable to transmit the information to an external destination.

27. (Currently Amended) A program execution method, comprising:
first program selecting, as a program to be executed, a program which is downloaded to a storage and then executed;

program monitoring an operational state of a currently executed program; second program selecting, as a program to be executed, a program that is of the same type as the currently executed program, in the case where abnormal termination of the currently executed program is detected in said program monitoring; and executing, by a processor, the program selected in one of said first program selecting and said second program selecting;

obtaining a cause of the abnormal termination of the program detected in said program monitoring; and

executing a countermeasure based on the cause of the abnormal termination, wherein, the program selected in said second program selecting is executed after the countermeasure is executed, and

wherein upon selection and execution of the program selected by said second program selecting, the program that experienced abnormal termination is prevented from further execution.

28. (Currently Amended) A non-transitory recording medium in which a program for executing an execution program is stored, the program causing a computer to execute:

first program selecting, as an execution program to be executed, an execution program which is downloaded and then executed;

program monitoring an operational state of a currently executed execution program;

second program selecting, as an execution program to be executed, an execution program that is of the same type as the currently executed execution program, in the case where abnormal termination of the currently executed execution program is detected in said program monitoring;

executing the execution program selected in one of said first program selecting and said second program selecting;

obtaining a cause of the abnormal termination of the execution program detected in said program monitoring; and

executing a countermeasure based on the cause of the abnormal termination,
wherein, the execution program selected in said second program selecting is executed
after the countermeasure is executed, and

wherein upon selection and execution of the program selected by said second program
selecting, the program that experienced abnormal termination is prevented from further
execution.

29. (Currently Amended) A program execution method, comprising:

first program selecting, as a program to be executed, a program which is downloaded to a storage and then executed;

program monitoring an operational state of a currently executed program;

second program selecting, based on an instruction from a user, a program that is of the same type as the currently executed program, as a program to be executed, in the case where abnormal termination of the currently executed program is detected in said program monitoring;
and

executing, by a processor, the program selected in said first program selecting and, in the case where abnormal termination of the currently executed program is detected in said program monitoring, to execute the program selected in said second program selecting,

wherein upon selection and execution of the program selected by said second program selecting, the program that experienced abnormal termination is prevented from further execution.

30. (Currently Amended) A non-transitory recording medium in which a program for executing an execution program is stored, the program causing a computer to execute:

first program selecting, as an execution program to be executed, an execution program which is downloaded and then executed;

program monitoring an operational state of a currently executed execution program;

second program selecting, based on an instruction from a user, an execution program that is of the same type as the currently executed execution program, as an execution program to be executed, in the case where abnormal termination of the currently executed execution program is detected in said program monitoring; and

executing the execution program selected in said first program selecting and, in the case where abnormal termination of the currently executed execution program is detected in said program monitoring, to execute the execution program selected in said second program selecting,

wherein upon selection and execution of the program selected by said second program selecting, the program that experienced abnormal termination is prevented from further execution.

31. (Currently Amended) A program execution method, comprising:

first program selecting, as a program to be executed, a program which is downloaded to a storage and then executed;

program monitoring an operational state of a currently executed program; second program selecting, as a program to be executed, a program that is of the same type as the currently executed program and which accepts a channel selection request from a user and performs an operation, in the case where abnormal termination of the currently executed program is detected in said program monitoring; and

executing, by a processor, the program selected in said first program selecting and, in the case where abnormal termination of the currently executed program is detected in said program monitoring, to execute the program selected in said second program selecting,

wherein upon selection and execution of the program selected by said second program selecting, the program that experienced abnormal termination is prevented from further execution.

32. (Currently Amended) A non-transitory recording medium in which a program for executing an execution program is stored, the program causing a computer to execute:

first program selecting, as an execution program to be executed, an execution program which is downloaded and then executed;

program monitoring an operational state of a currently executed execution program;

second program selecting, as an execution program to be executed, an execution program that is of the same type as the currently executed execution program and which accepts a channel selection request from a user and performs an operation, in the case where abnormal termination of the currently executed execution program is detected in said program monitoring; and

executing the execution program selected in said first program selecting and, in the case where abnormal termination of the currently executed execution program is detected in said program monitoring, to execute the execution program selected in said second program selecting,

wherein upon selection and execution of the program selected by said second program selecting, the program that experienced abnormal termination is prevented from further execution.

33. (Currently Amended) A program execution method, comprising:

first program selecting, as a program to be executed, a program which is downloaded to a storage and then executed;

program monitoring an operational state of a currently executed program;

second program selecting, as a program to be executed, a program that is of the same type as the currently executed program and which displays an electronic program guide, in the case where abnormal termination of the currently executed program is detected in said program monitoring; and

executing, by a processor, the program selected in said first program selecting and, in the case where abnormal termination of the currently executed program is detected in said program monitoring, to execute the program selected in said second program selecting,

wherein upon selection and execution of the program selected by said second program selecting, the program that experienced abnormal termination is prevented from further execution.

34. (Currently Amended) A non-transitory recording medium in which a program for executing an execution program is stored, the program causing a computer to execute:

first program selecting, as an execution program to be executed, an execution program which is downloaded and then executed;

program monitoring an operational state of a currently executed execution program;

second program selecting, as an execution program to be executed, an execution program that is of the same type as the currently executed execution program and which displays an electronic program guide, in the case where abnormal termination of the currently executed execution program is detected in said program monitoring; and

executing the execution program selected in said first program selecting and, in the case where abnormal termination of the currently executed execution program is detected in said program monitoring, to execute the execution program selected in said second program selecting,

wherein upon selection and execution of the program selected by said second program selecting, the program that experienced abnormal termination is prevented from further execution.